

STAT 245: Critique (Day 2)

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Recap: Main Ideas

- *Think and Imagine* before you graph
- Choose a chart type that fits your data
 - Categorical: bars, pies(?), Cleveland dot/lollipop
 - Quantitative: histogram, density, boxplot
 - Relationships: scatter plot, boxplots, facets...
- Use color, axis limits, labels, design *to tell the story*

Jump Start work...

- Day 1 got you thinking...
- Tutorials will fill in the details...
- *And* give you R code tools to implement
- Next: Constructive conversation + critique
- Then: practice creating and critiquing

**Course SLO: Communicate
results of data analysis
clearly and accurately**

Code of Ethics?

- Codes, Oaths, Commandments...
 - But why?
 - And what's the difference?
- Another angle: Virtue Ethics

Profiles in Stats

Integrated Ethics Labs



Lori Carter



Catherine Crockett

Virtues and Values

If we will openly discuss personal values...

- 1. Understand that your words have effects on others.** Speak with care. If you learn that something you have said was experienced as disrespectful or marginalizing, listen carefully and try to understand that perspective. Learn how you can do better in the future.
- 2. Understand that others will come to these discussions with different experiences from yours.** Be careful about assumptions and generalization you make based only on your experience. Be open to hearing and learning from other perspectives.

Your experience in college should help prepare you for your next steps in life. That means that **you will increase in**

knowledge. At this university, we also are concerned that you learn to

apply that knowledge in a way that is beneficial to society.

Sometimes it is hard to decide what will be beneficial and what will not.

How do we approach decision
making when faced with an ethical
dilemma? When will we
practice those skills?

This short exercise will ask us to **think**
about what we value and
apply that knowledge to
decision-making.

What are Values?

principles or standards of behaviour: one's judgement about what is important in life: [as in] *they internalize their parents' rules and values*. -Oxford Dictionary of English, 2010

What are Values?

A value is something you are willing to act on. -
Ayn Rand, philosopher

What are Values?

Values are a matter of what guides you through every day, every task, every encounter with another human being. -Richard Bolles, *What Color is Your Parachute*

What are Values?

a preference that is felt and/or considered to be justified – morally, by reasoning, or by aesthetic judgments, usually by two or all three of these. -

Sarah Spiekermann, *Ethical IT*

Join by Web **PollEv.com/stacyderuite335**



How do you define "values"? (Write or upvote.)

Nobody has responded yet.

Hang tight! Responses are coming in.

Choose Top Values (20-25)

- [PDF handout](#)

**Mark "W" the ones that
would inform your career
choice after Calvin**

Choose 2 "W"s to explain

**Values guide big choices
and everyday behavior**

We learned about and discussed the **Listen,**
Affirm, Respond (or
Reflect), Add method for tough
conversations, which may come in useful in groups
or discussing data ethics and challenging datasets

**What values does L.A.R.A.
put into action?**

When poll is active respond at [PollEv.com/stacyderuite335](https://poll-ev.com/stacyderuite335)



What values does the LARA method put into action? (Add or upvote)

Nobody has responded yet.

Hang tight! Responses are coming in.

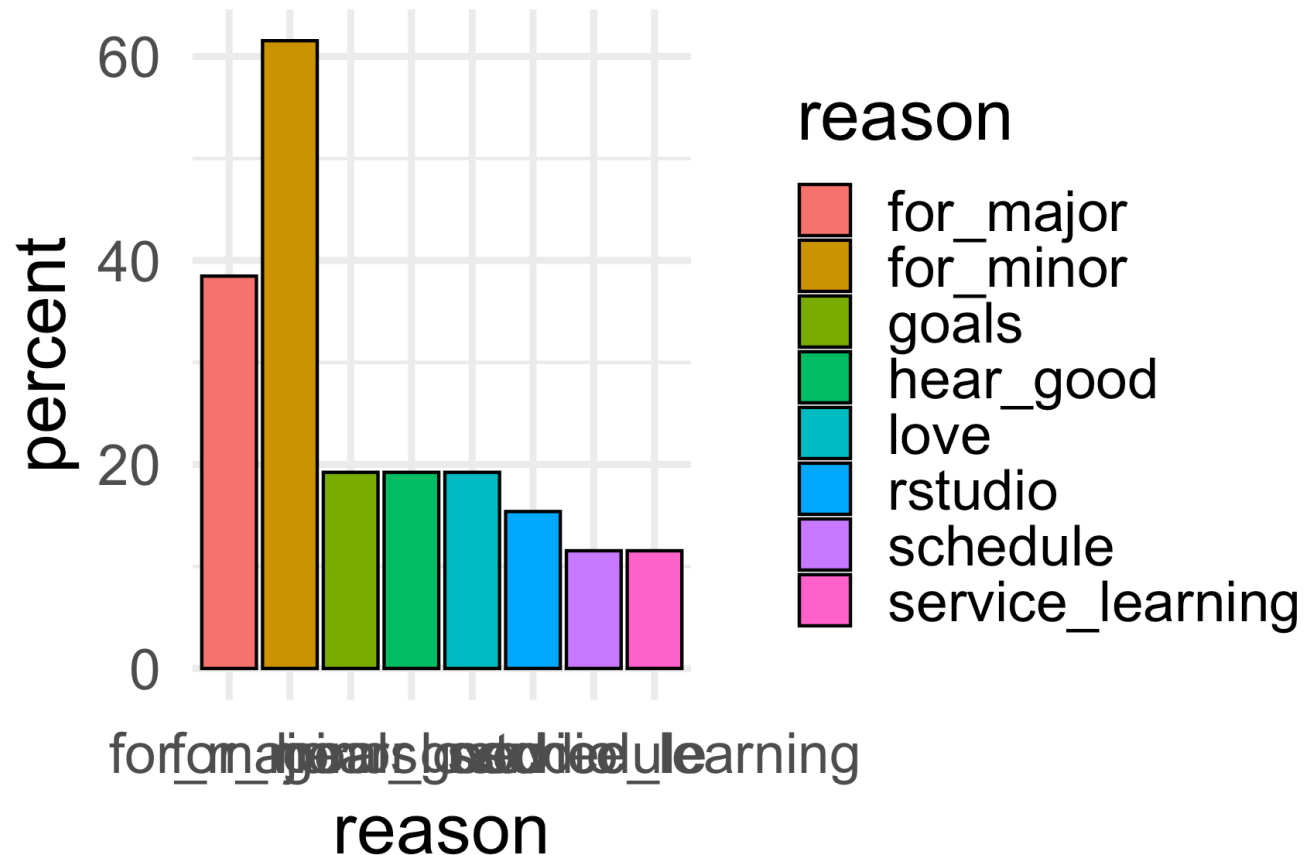
Constructive Critique

Goals: Listen, think, understand, converse (not just talk!)

- Focus on Description, not Judgment
- Focus on Actions or Behaviors, not the Person
- Balance Positive and Negative (honestly)
- Be Concise; avoid Feedback Overload
- Be Specific (your Reactions/Observations *and* Suggestions)

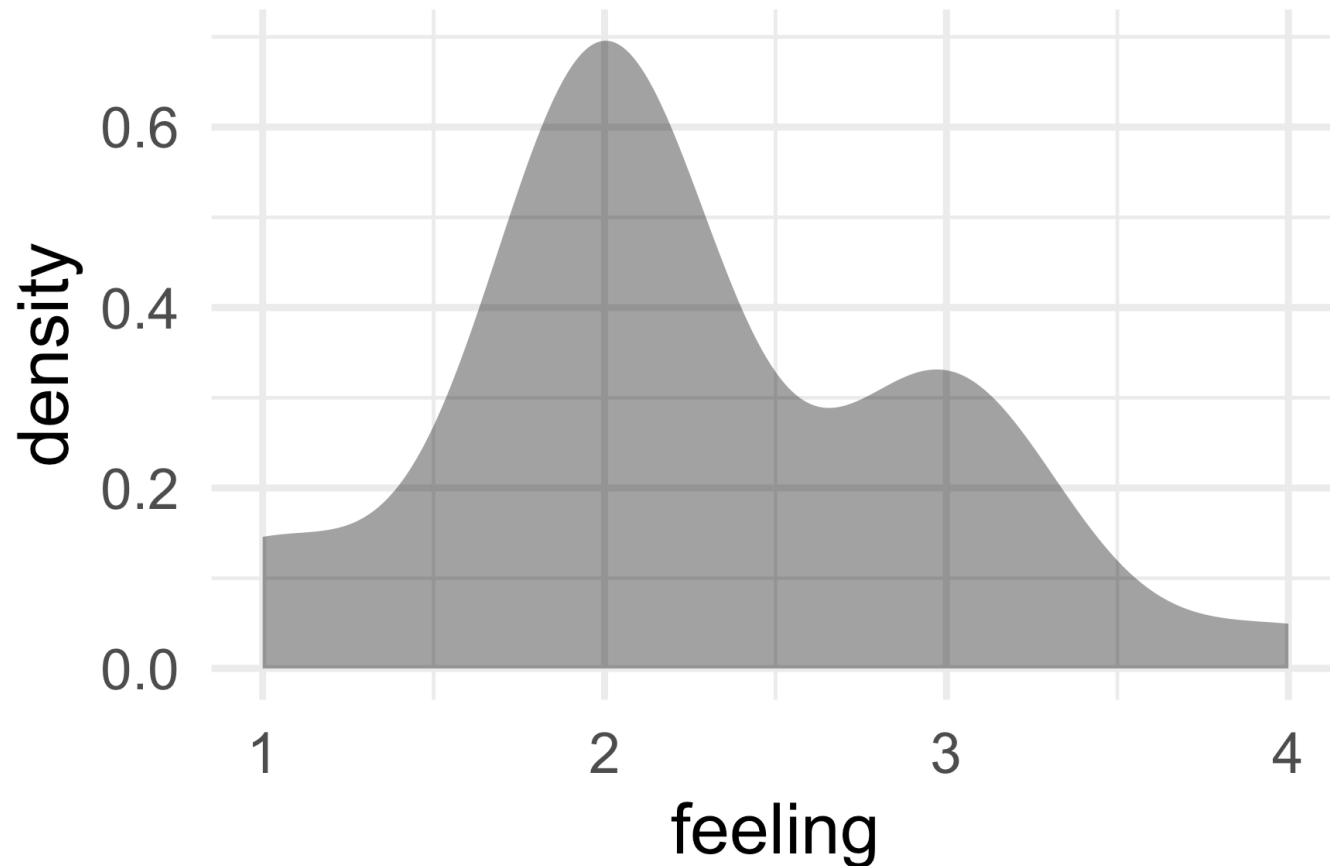
Do Better than This

Colorful, but hard to understand the main point. Axis labels need to be redone.



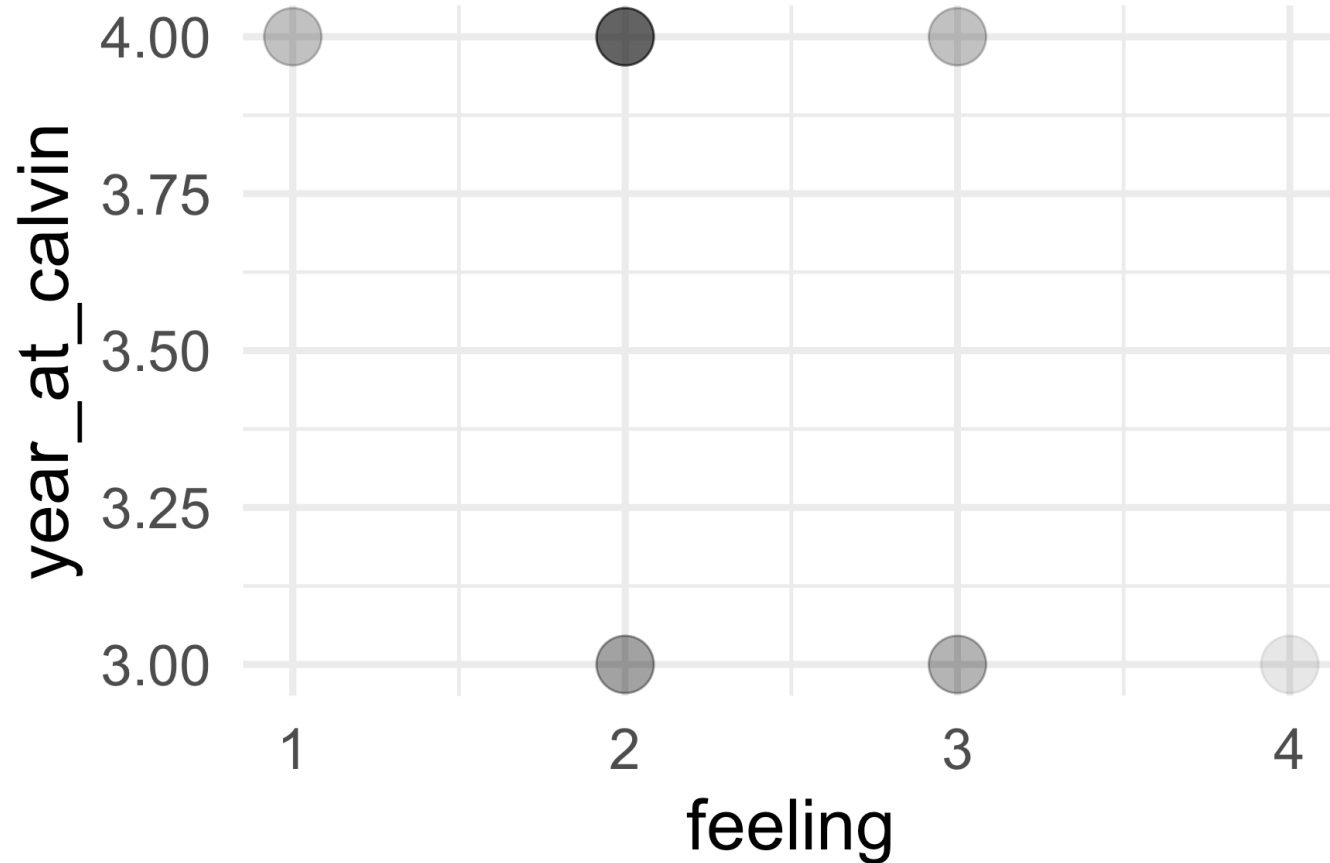
Do Better than This

Numbers don't make sense. You messed up choosing figure type and labels are bad.



Do Better than This

Ugh, this is awful. Why did you think that feelings would vary by class year? Everything is on top of each other and you forgot that scatterplots are not for this kind of data. Not good use of color.



In the corrections...

- Which guidelines for critique did we implement?
- Which values are we acting on?

A Summary

Give attention to the ways that your conversations and interactions with *classmates* and *data* reflect your *values*. Once you notice, you can keep them aligned.

"Liturgical animals"

Let the peace of Christ rule in your hearts, since as members of one body you were called to peace. And be thankful. Let the message of Christ dwell among you richly as you teach and admonish on another with all wisdom through psalms, hymns, and songs from the Spirit, singing to God with gratitude in your hearts. (Colossians 3:15-16)

The orientation of the heart happens from the bottom up, through the formation of our habits of desire. Learning to love (God) takes practice. (J. Smith, *You are what you love*)

By the way...

